

EXECUTIVE SUMMARY

Prepared March 8, 1994

Mine Name: Small Fry Mine

I.D. No: M/037/022

Operator: Molycorp, Inc.
P.O. Box 469
Questa, NM 87556

County: San Juan
New/Existing: Existing
Mineral Ownership: Private
Surface Ownership: Private

Telephone: (505) 586-0212

Lease No.(s): none

Contact Person: David P. Shoemaker

Permit Term: Life of project

Life of Mine: Mining has ceased. Project expected to take 3-4 months.

Legal Description: NE 1/4, NE 1/4, Section 34, Township 29 South, Range 24 East

Mineral(s) to be Mined: Uranium ore previously mined by others.

Mining Methods: Existing underground workings to be partially backfilled with NORM vanadium mill tailings from the Dry Valley mill site.

Acres to be Disturbed: Six (6) acres previously disturbed at Small Fry Mine site. Partial reclamation has taken place.

Present Land Use: Mining

Postmining Land Use: Grazing of livestock

Variances from Reclamation Standards (Rule R647) Granted: none

Soils and Geology:

Soil Description: Course sands and shales with numerous rock outcrops.

pH: 7.6

Special Handling Problems: None anticipated

Geology Description: Mine is developed in the uppermost Pennsylvanian-Permian Cutler Formation where overlying basal Triassic Chinle Formation units have cut and scoured ore-bearing channels into the Cutler.

Hydrology:

Ground Water Description: The ground water table lies at the elevation of approximately 6000 feet which is 600 feet below the deepest part of the Small Fry Mine.

Surface Water Description: No perennial streams are located on the site. Ephemeral washes drain the area.

Water Monitoring Plan: none required

Ecology:

Vegetation Type(s); Dominant Species: Pinyon, Juniper, Mormon Tea, Sagebrush, Blue Stem Grass

Percent Surrounding Vegetative Cover: 7.5%

Wildlife Concerns: none

Surface Facilities: none

Mining and Reclamation Plan Summary:

During Operations:

1. Approximately 20,000 cubic yards of NORM vanadium mill tailings from the Dry Valley area will be hauled by truck 9.1 miles to the Small Fry Mine.
2. At the Small Fry Mine the tailings will be backfilled into approximately 8,500 running feet of existing drifts.

After Operations:

1. The mine portals will be backfilled and sealed.
2. The hillside east of the portal pad area will be regraded to blend with the natural topography and topsoiled with available salvaged resources.
3. The mine access road will be ripped and regraded where necessary.

4. The entire six acre disturbed mine site area will be seeded.
5. After all tailings have been removed from the Dry Valley mill site, the area will be restored to its natural contour and reclaimed.

Surety:

Amount: \$3,800 (1998 dollars) _____

Form: Surety Bond _____

Renewable Term: 5 years _____

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